

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
 Data File : BM007024.D
 Acq On : 11 Aug 2016 05:36
 Operator : UM/SJ
 Sample : H4302-07DL 4X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0H1DL

Quant Time: Aug 11 06:51:32 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 01:30:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	334230	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	1502338	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	943538	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	2327072	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2729025	20.00	ng/ul	0.00
34) Perylene-d12	23.66	264	2414068	20.00	ng/ul	0.00

System Monitoring Compounds

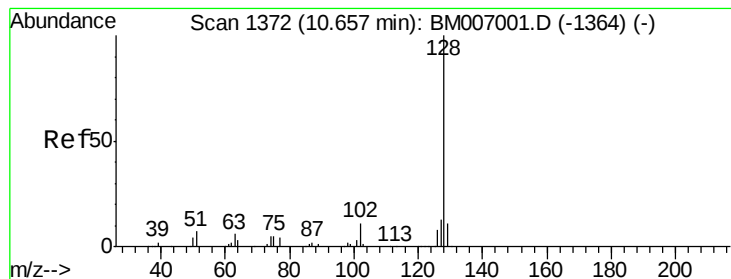
2) 1,4-Dioxane-d8	3.32	96	2594	0.35	ng/uL	0.00
3) Phenol-d5	6.98	99	111537	3.75	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	70958	4.27	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	94472	4.19	ng/ul	0.00
6) 4-Methylphenol-d8	8.51	113	82142	3.26	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	45737	3.99	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	46288	3.52	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	106262	4.14	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	74382	2.48	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	359554	4.46	ng/ul	-0.01
17) Acenaphthylene-d8	14.14	160	452019	4.79	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	26418	1.83	ng/ul	0.00
21) Fluorene-d10	15.44	176	336105	4.90	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.55	200	20889	1.66	ng/ul	0.00
26) Anthracene-d10	17.29	188	546756	5.04	ng/ul	0.00
30) Pyrene-d10	19.58	212	653224	5.26	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.51	264	541368	4.88	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	10.65	128	264429	3.51	ng/ul	99
19) Acenaphthene	14.51	153	268855	4.26	ng/ul	99
22) Fluorene	15.50	166	166438	2.22	ng/ul	98
25) Phenanthrene	17.23	178	3544607	28.43	ng/ul	99
27) Anthracene	17.32	178	705926	5.48	ng/ul	99
28) Fluoranthene	19.25	202	6612181	42.11	ng/ul	98
31) Pyrene	19.62	202	5651106	35.70	ng/ul	98
32) Benzo(a)anthracene	21.36	228	3424144	21.31	ng/ul	99
33) Chrysene	21.41	228	3323331	22.79	ng/ul	97
35) Benzo(b)fluoranthene	22.97	252	4942424	32.96	ng/ul	98
36) Benzo(k)fluoranthene	22.97	252	4942424	34.89	ng/ul	98
38) Benzo(a)pyrene	23.56	252	3077037	22.30	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.96	276	2408133	17.60	ng/ul	98
40) Dibenzo(a,h)anthracene	25.87	278	133573	1.18	ng/ul	93
41) Benzo(g,h,i)perylene	26.67	276	2319786	20.62	ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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Acq On    : 11 Aug 2016  05:36  
Operator  : UM/SJ  
Sample    : H4302-07DL 4X  
Misc      :  
ALS Vial  : 25      Sample Multiplier: 1
```



#11

Naphthalene

Concen: 3.51 ng/ul

RT: 10.65 min Scan# 1371

Delta R.T. -0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Instrument :

BNA_M

ClientSampleId :

DA0H1DL

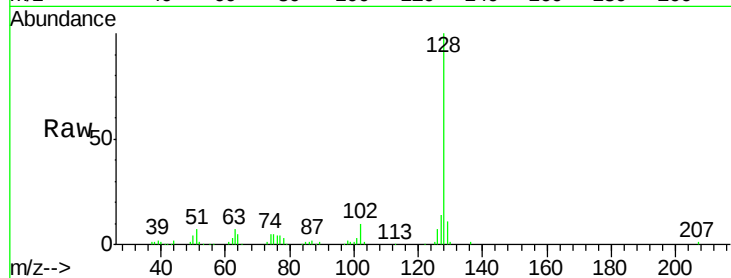
Tgt Ion:128 Resp: 264429

Ion Ratio Lower Upper

128 100

129 10.5 8.9 13.3

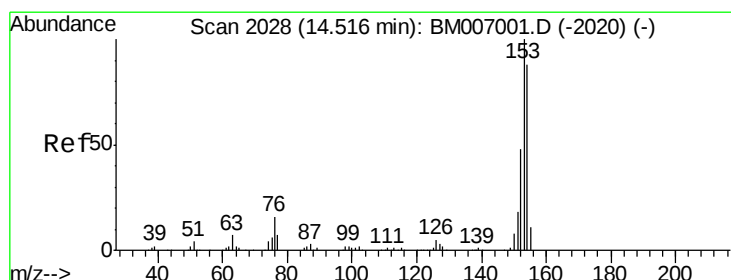
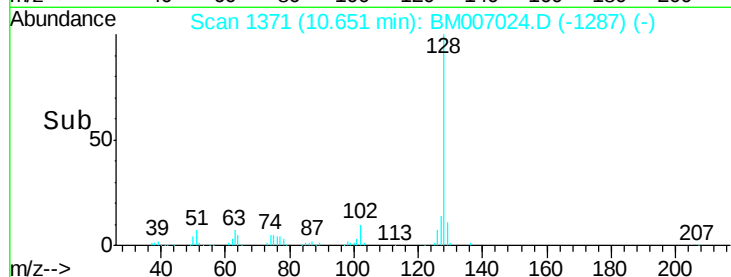
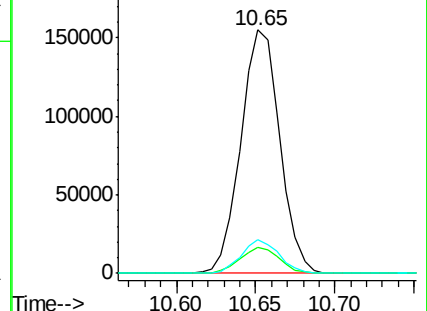
127 13.6 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#19

Acenaphthene

Concen: 4.26 ng/ul

RT: 14.51 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

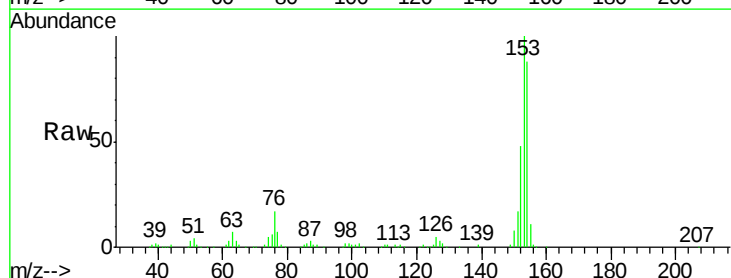
Tgt Ion:153 Resp: 268855

Ion Ratio Lower Upper

153 100

152 47.6 37.0 55.6

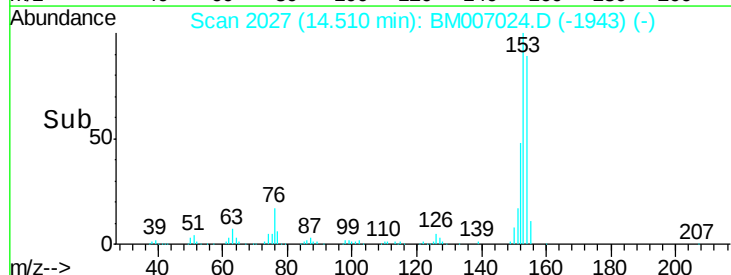
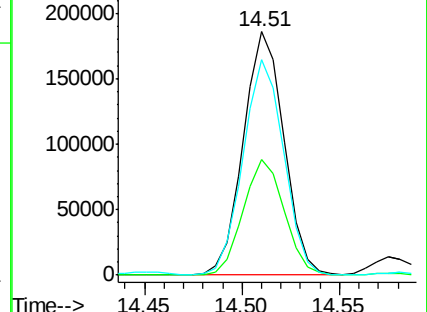
154 88.4 70.9 106.3

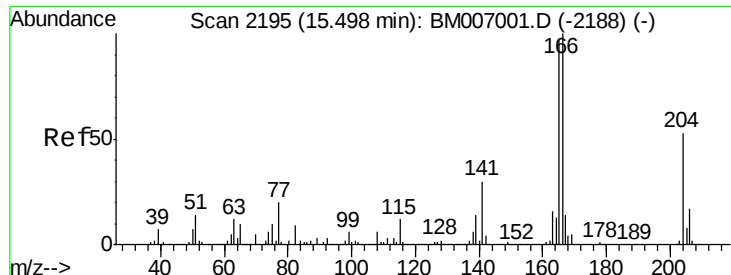


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#22

Fluorene

Concen: 2.22 ng/ul

RT: 15.50 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Instrument :

BNA_M

ClientSampleId :

DA0H1DL

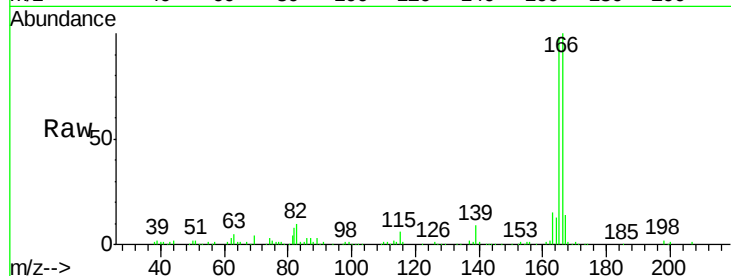
Tgt Ion:166 Resp: 166438

Ion Ratio Lower Upper

166 100

165 97.9 76.6 115.0

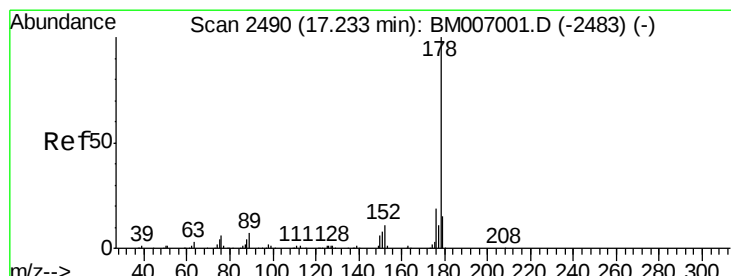
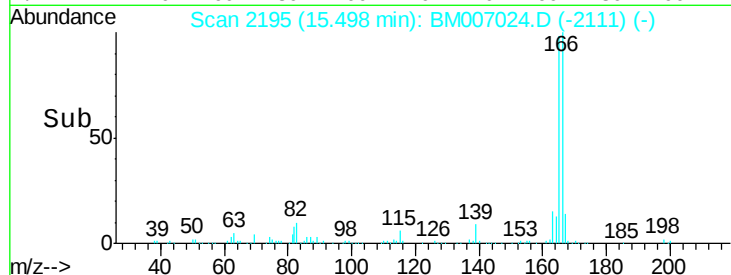
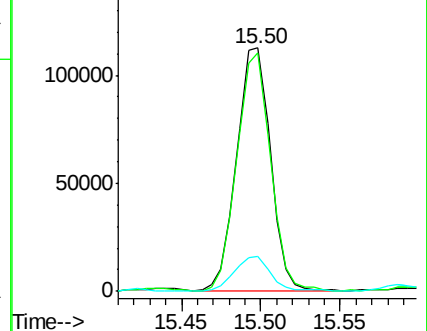
167 14.4 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#25

Phenanthrene

Concen: 28.43 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

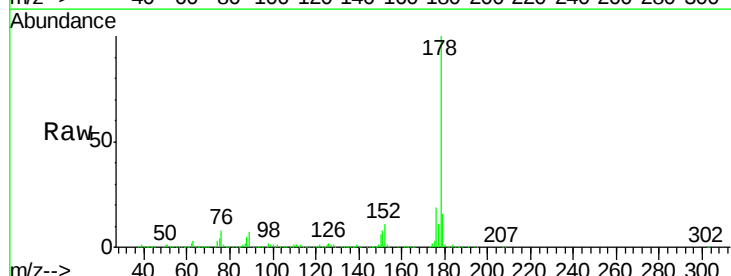
Tgt Ion:178 Resp: 3544607

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

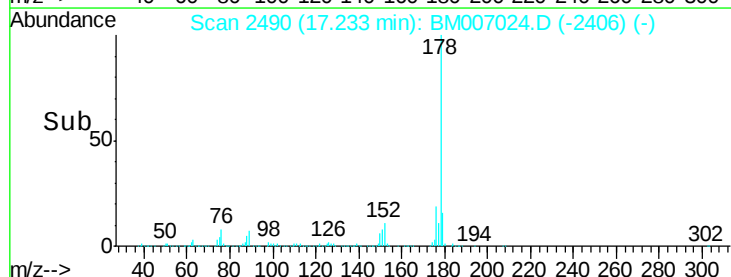
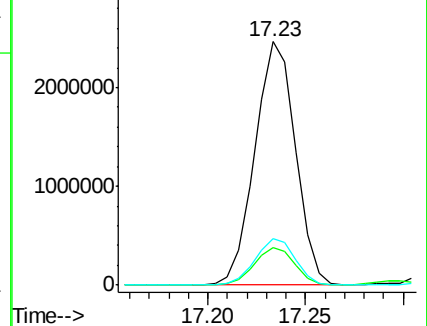
176 19.3 15.2 22.8

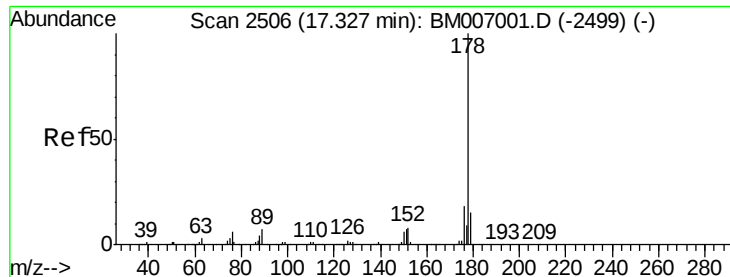


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 5.48 ng/ul

RT: 17.32 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Instrument :

BNA_M

ClientSampleId :

DA0H1DL

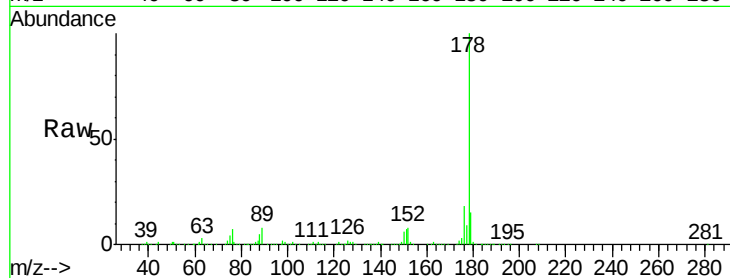
Tgt Ion:178 Resp: 705926

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

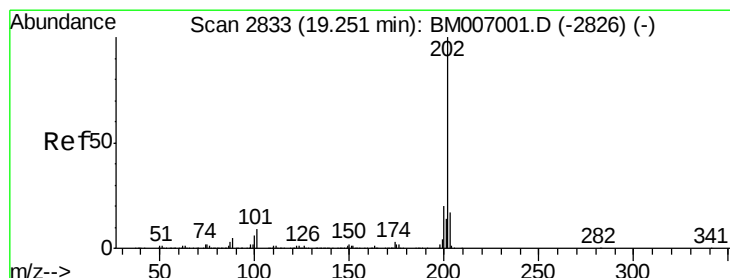
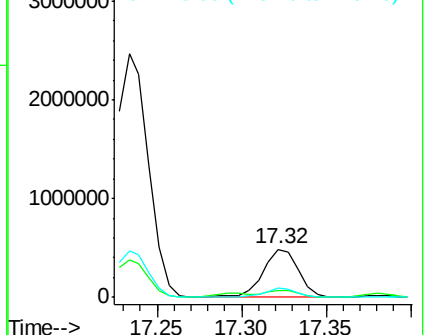
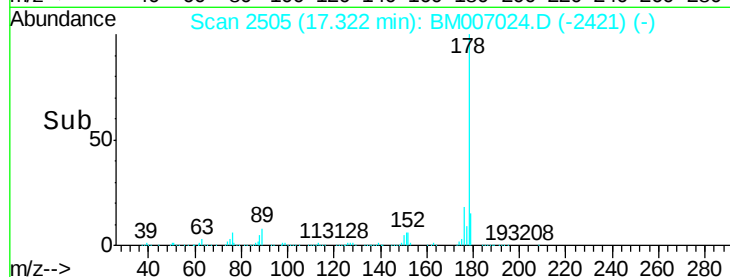
176 18.3 15.0 22.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#28

Fluoranthene

Concen: 42.11 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

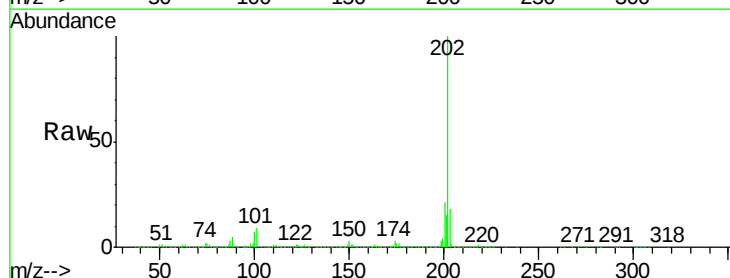
Tgt Ion:202 Resp: 6612181

Ion Ratio Lower Upper

202 100

101 8.7 7.4 11.2

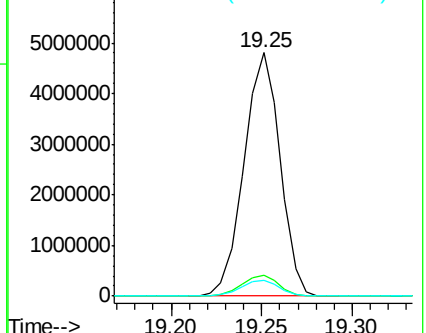
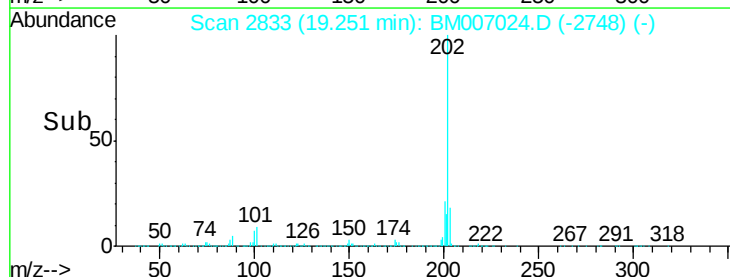
100 6.5 5.8 8.6

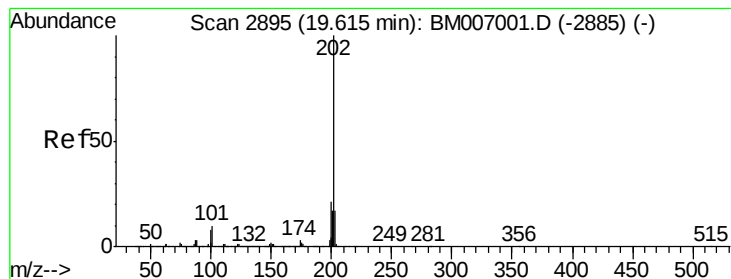


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 35.70 ng/ul

RT: 19.62 min Scan# 2895

Delta R.T. 0.00 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Instrument :

BNA_M

ClientSampleId :

DA0H1DL

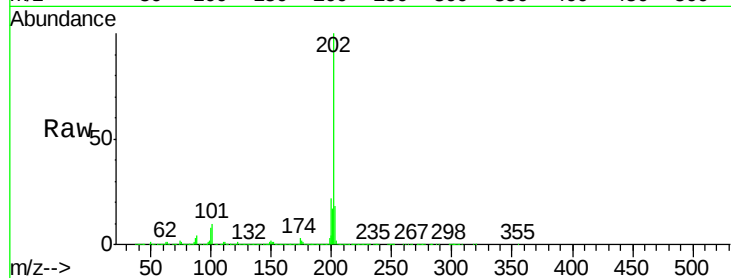
Tgt Ion:202 Resp: 5651106

Ion Ratio Lower Upper

202 100

101 9.9 8.5 12.7

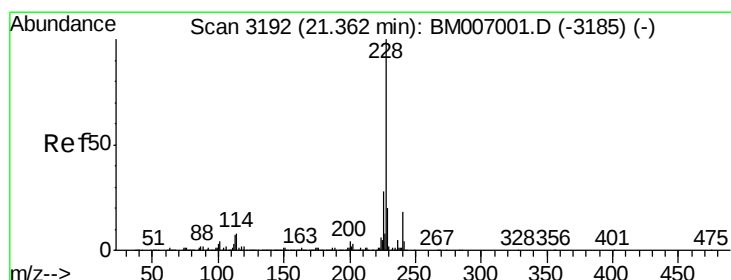
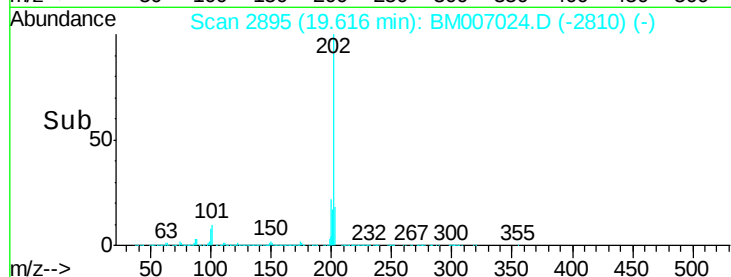
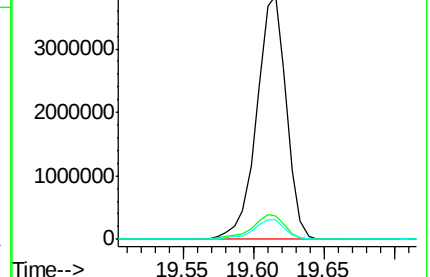
100 8.0 7.1 10.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#32

Benzo(a)anthracene

Concen: 21.31 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. 0.00 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

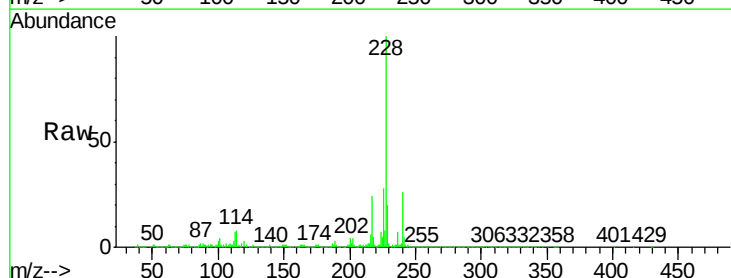
Tgt Ion:228 Resp: 3424144

Ion Ratio Lower Upper

228 100

229 20.0 15.8 23.6

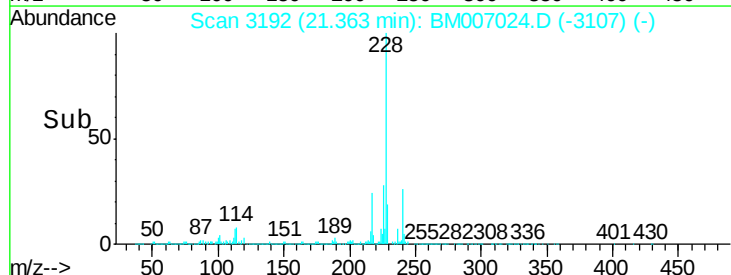
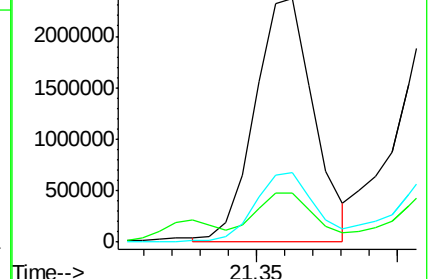
226 28.4 21.9 32.9

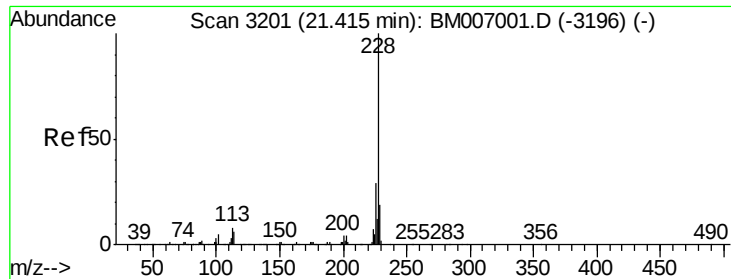


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 22.79 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Instrument :

BNA_M

ClientSampleId :

DA0H1DL

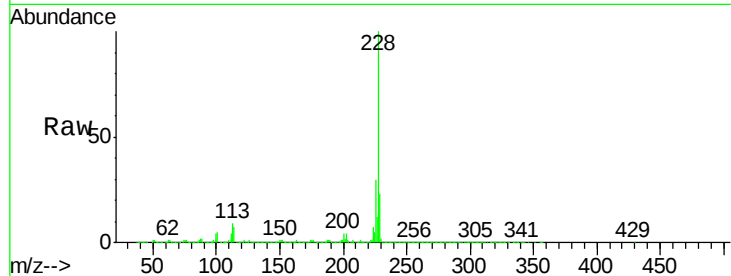
Tgt Ion:228 Resp: 3323331

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.4

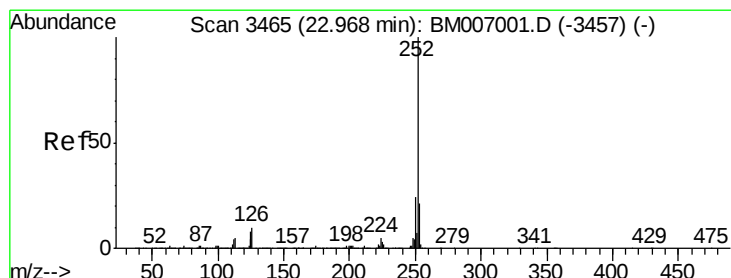
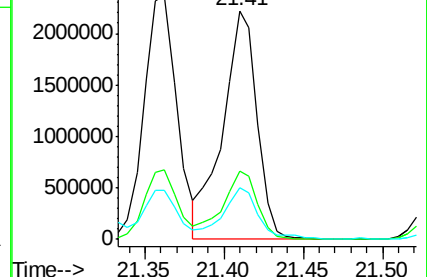
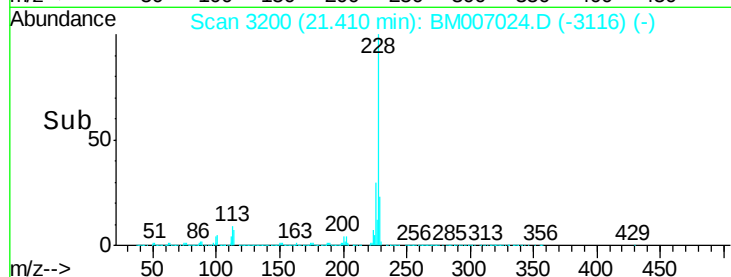
229 22.6 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#35

Benzo(b)fluoranthene

Concen: 32.96 ng/ul

RT: 22.97 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

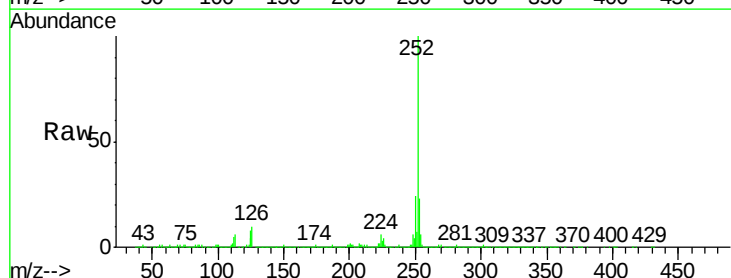
Tgt Ion:252 Resp: 4942424

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

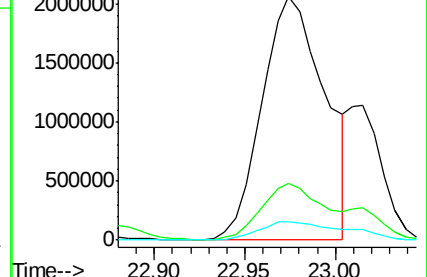
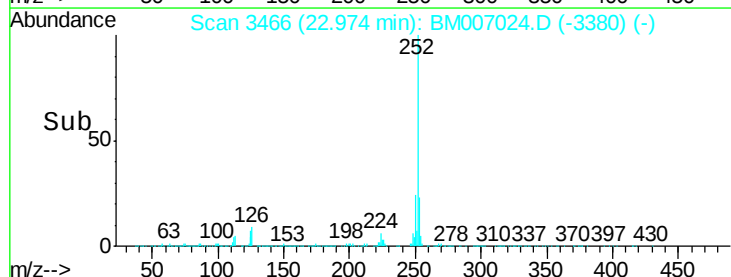
125 7.6 6.0 9.0

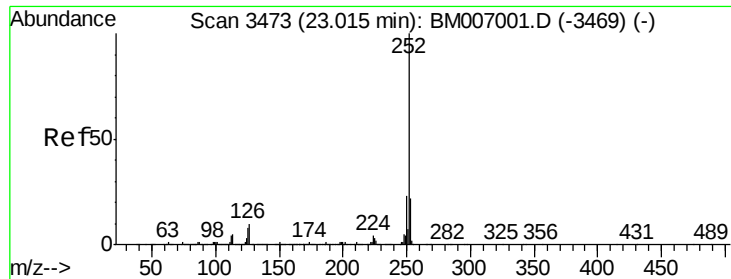


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

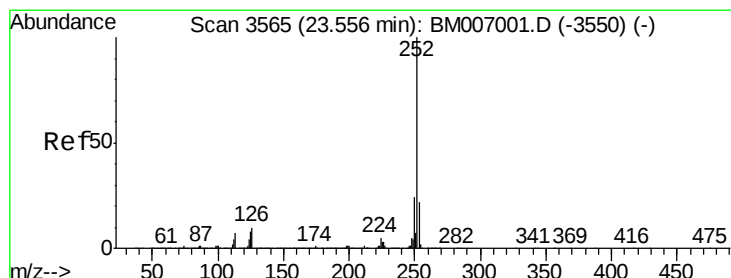
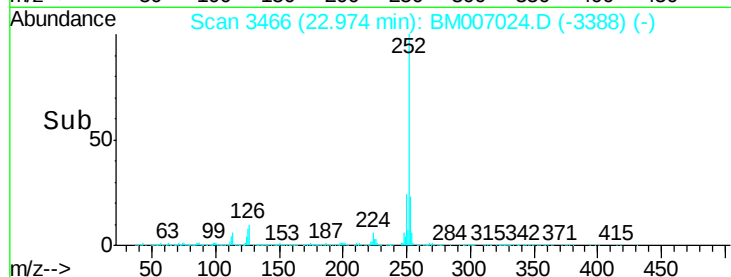
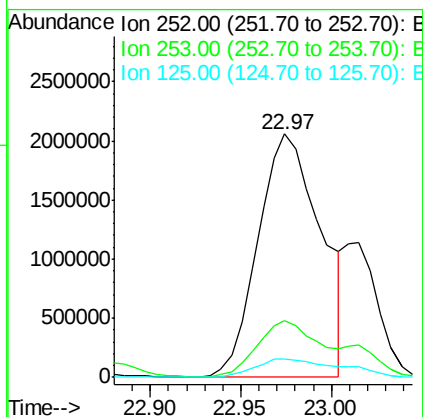
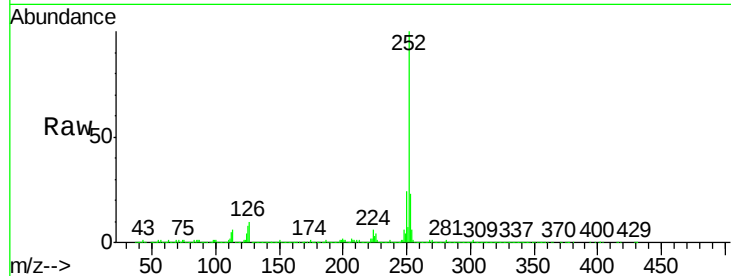




#36
Benzo(k)fluoranthene
Concen: 34.89 ng/u1
RT: 22.97 min Scan# 3466
Delta R.T. -0.04 min
Lab File: BM007024.D
Acq: 11 Aug 2016 05:36

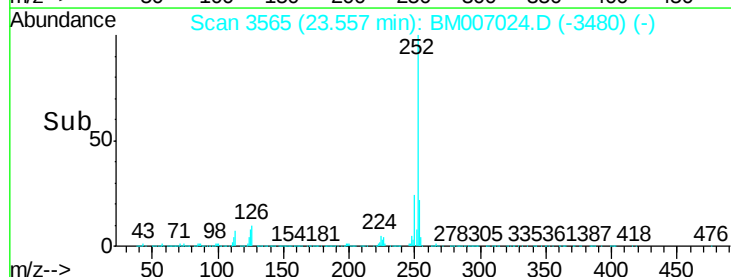
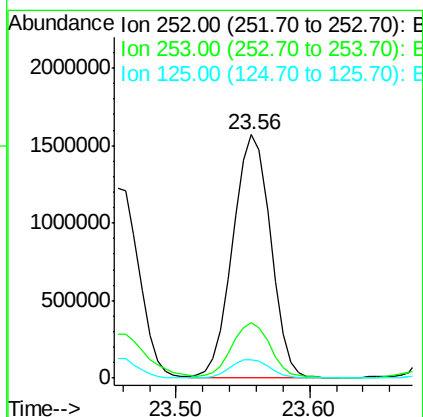
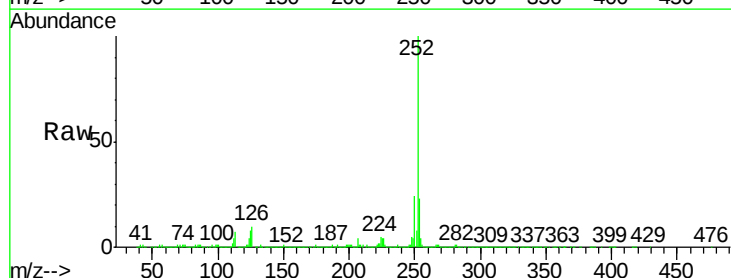
Instrument :
BNA_M
ClientSampleId :
DA0H1DL

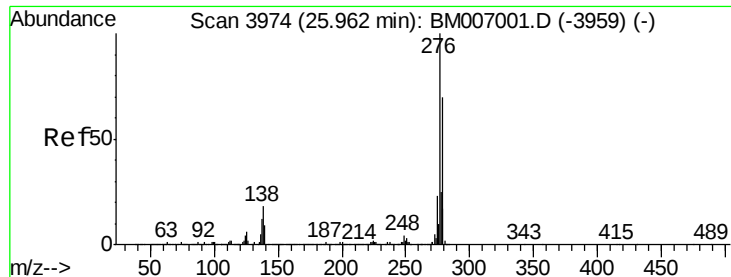
Tgt Ion:252 Resp: 4942424
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 7.6 6.2 9.4



#38
Benzo(a)pyrene
Concen: 22.30 ng/u1
RT: 23.56 min Scan# 3565
Delta R.T. 0.00 min
Lab File: BM007024.D
Acq: 11 Aug 2016 05:36

Tgt Ion:252 Resp: 3077037
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 7.7 6.8 10.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 17.60 ng/ul

RT: 25.96 min Scan# 3973

Delta R.T. -0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Instrument :

BNA_M

ClientSampleId :

DA0H1DL

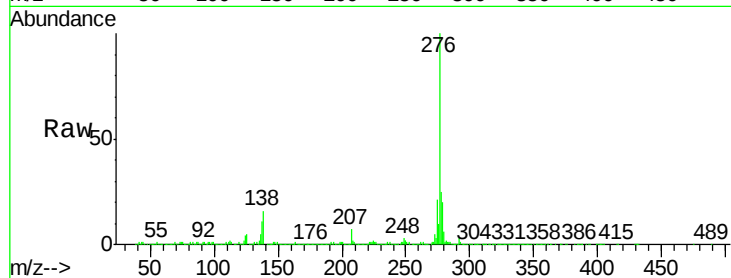
Tgt Ion:276 Resp: 2408133

Ion Ratio Lower Upper

276 100

138 16.1 14.9 22.3

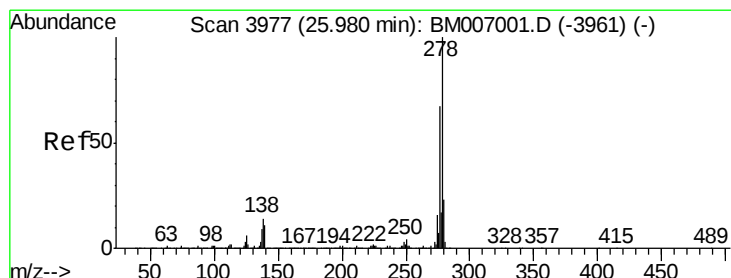
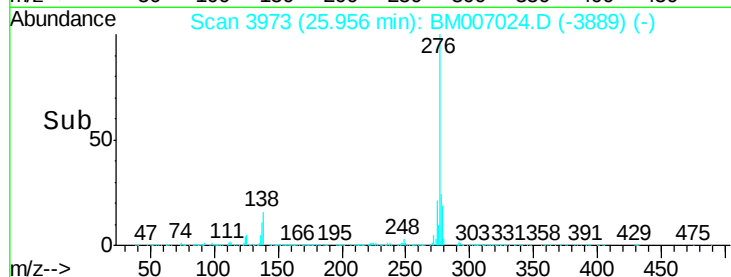
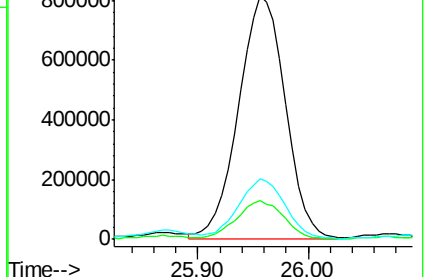
277 24.7 19.8 29.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Dibenzo(a,h)anthracene

Concen: 1.18 ng/ul

RT: 25.87 min Scan# 3958

Delta R.T. -0.11 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

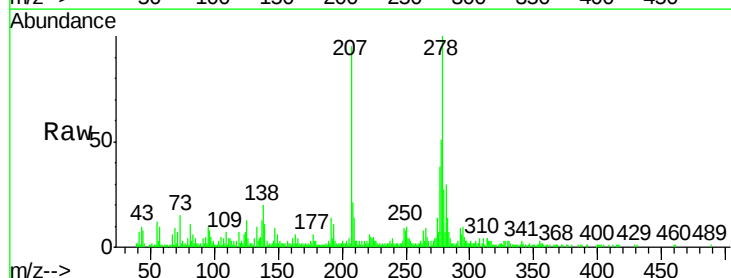
Tgt Ion:278 Resp: 133573

Ion Ratio Lower Upper

278 100

139 10.7 10.3 15.5

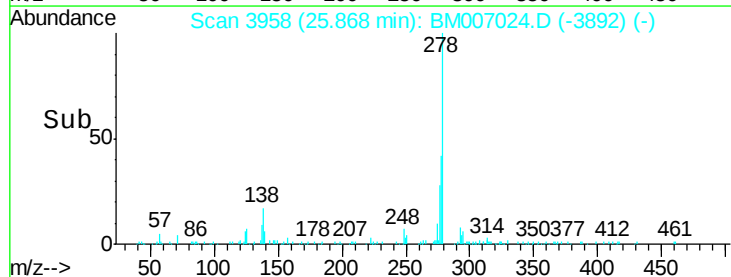
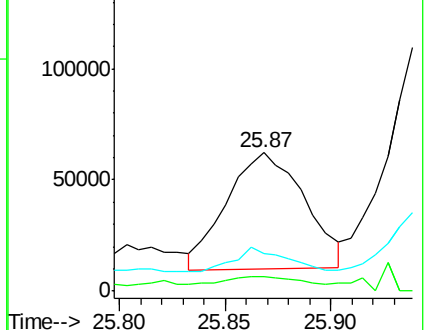
279 27.4 18.8 28.2

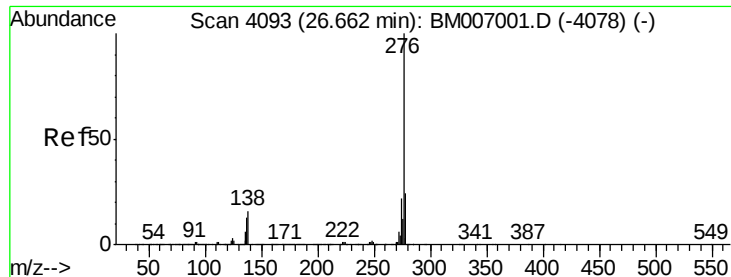


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(g,h,i)perylene

Concen: 20.62 ng/ul

RT: 26.67 min Scan# 4094

Delta R.T. 0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Instrument :

BNA_M

ClientSampleId :

DA0H1DL

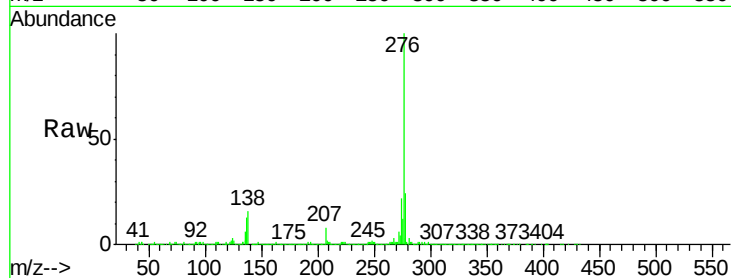
Tgt Ion:276 Resp: 2319786

Ion Ratio Lower Upper

276 100

138 15.6 14.0 21.0

277 23.7 19.6 29.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

